

Title (en)

PROCESS FOR THE PREPARATION OF MAINLY MONOMERIC METHYLATED METHYLOL MELAMINES

Publication

EP 0008683 B1 19820317 (DE)

Application

EP 79102771 A 19790802

Priority

DE 2839713 A 19780913

Abstract (en)

[origin: ES484113A1] This invention relates to a process for the manufacture of methanol-etherified methylolmelamines which are largely monomeric containing more than 5 mols of formaldehyde and more than 4 mols of methyl-etherified methylol groups, per mol of melamine, and having a viscosity of less than 20 pascal-seconds at 25 DEG C. and a solids content of at least 95%, comprising (a) methylolating melamine with formaldehyde at a molar melamine:formaldehyde ratio of 1:6.5 to 1:8 for 11/2 to 5 hours at 50 DEG C. to 85 DEG C., with the formaldehyde source being an aqueous solution of formalin containing 30 to 50% by weight of formaldehyde and having a pH of 6.7 to 7.3, and (b) etherifying the resulting suspension of methylolmelamine with 15 to 30 mols of methanol per mol of melamine at temperatures of 30 DEG C. to 60 DEG C. in the presence of a strong acid.

IPC 1-7

C07D 251/64

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN112011021A; US6261483B1; US9039927B2; WO2007065922A1

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